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C-FAR

THE NATIONAL COALITION FOR FOOD & AGRICULTURAL RESEARCH

Program:

THE AIR WE BREATHE

Air Issues Associated with Animal Agriculture:
A North American Perspective

September 19, 2011
PROGRAM

Welcome and Introduction

DR. BARBARA GLENN
NATIONAL C-FAR REPRESENTATIVE

Distinguished Speaker

DR. FRANK M. MITLOEHNER
AIR QUALITY EXTENSION SPECIALIST
DEPARTMENT OF ANIMAL SCIENCE
UNIVERSITY OF CALIFORNIA–DAVIS

Open Forum

Closing

DR. BARBARA GLENN

NATIONAL C-FAR IS a nonprofit, nonpartisan, consensus-based and customer-led coalition that brings food, agriculture, nutrition, conservation and natural resource stakeholders together with the food and agriculture research and extension community, serving as a forum and a unified voice in support of sustaining and increasing public investment at the national level in food and agricultural research, extension, and education. For additional information, go to www.ncfar.org; or contact Tom Van Arsdall, Executive Director, at tom@vanarsdall.com.
ABSTRACT
Large livestock production facilities create air quality issues that can result in ominous clouds of protest or favorable breezes that bring economic gains for the community. The purpose of this CAST Issue Paper is to go beyond the generalizations and accusations often associated with the air quality topic. Experts from six universities examine a large amount of data and focus their information and conclusions around the key livestock areas: swine, poultry, dairy, and beef. Their science-based analyses look at a wide scope of issues including (1) greenhouse gas emissions, (2) the logistics of manure storage facilities, (3) the U.S. Environmental Protection Agency efforts to monitor emissions, (4) economic implications, and (5) mitigation technologies and management practices. Federal, state, and even local regulation of air emissions from animal production has been steadily increasing, creating uncertainty for producers and the industries. This paper examines how to use science-based information to help all stakeholders involved in animal production as they strive to preserve resources and maintain the quality of life.

SPEAKER BIOGRAPHY
FRANK MITLOEHNER, Ph.D., is an Associate Professor and Associate Air Quality Extension Specialist at the University of California–Davis. He serves as Director for the UC–Davis Agricultural Air Quality Center. His current research activities are in the areas of air emission estimates from dairies, beef operations, and other agricultural sources as well as emission mitigation focusing on greenhouse gases, volatile organic compounds, ammonia, and particulate matter. He has expanded his research emphasis to include livestock production’s contributions to climate change and the effect of agricultural pollutants on human and animal health. Mitloehner currently serves as principal investigator for California on the National Air Emissions Monitoring Study, which will provide benchmark data to set national regulatory policy related to livestock production emissions. He is also principal investigator for a five-year study funded by the National Institute of Occupational Safety and Health examining the impact of dairy air emissions on agricultural workers in California’s Central Valley. Main efforts of his lab center around quantification and mitigation of air emissions from livestock operations. Mitloehner received his M.S. in animal science and agricultural engineering from the University of Leipzig in Germany and his Ph.D. in animal science from Texas Technical University.
SEMINAR SERIES DESCRIPTION

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